SONY VAIO

VGN-AR520E

VAIO® AR Digital Studio™ Notebook PC

The Premiere Entertainment Notebook PC.

MULTIMEDIA POWERHOUSE WITH 17" DISPLAY[8]

The VAIO® AR notebook combines the convenience and portability of a notebook with the power and performance of a desktop. Featuring a full-sized keyboard and stunning 17" widescreen display[8], this multimedia powerhouse is the perfect productivity and entertainment companion. With spectacular XBRITE-ECO™ LCD technology, the massive widescreen improves color contrast in your images, video and television content, delivering the ultimate viewing experience.

HD ENTERTAINMENT

Whether you're watching downloaded content in HD or enjoying crystal-clear video captured from your compatible HDV camcorder, the VAIO® AR notebook lets you playback HD[15] content on your compatible big screen HDTV with incredibly high level of resolution. An HDMI™ output delivers video and audio to external sources via a single cable, providing the optimal digital connection to your compatible TV so you can enjoy your entertainment on the big screen without a myriad of extra cables and wires.

INTEL'S BEST TECHNOLOGY FOR NOTEBOOKS

Get the ultimate mobile experience with unparalleled processing speeds, and enhanced wireless connectivity[12]. The VAIO® AR notebook features Intel® Centrino® Duo processor technology, Intel's latest and best notebook technology to date. Powered by an Intel Core™ 2 Duo processor, this state-of-the-art technology provides screaming-fast performance and the mobility, power and flexibility you need for high-speed[3] wireless computing on-the-go. With Intel Centrino Duo processor technology, you've got the dual-core performance to enjoy a rich multimedia entertainment experience.

NEXT-GENERATION 802.11N WIRELESS TECHNOLOGY[3]

Introducing the next great advancement in wireless technology, 802.11n. With built-in 802.11n wireless LAN technology[3], the VAIO® AR notebook lets you wirelessly surf the web and e-mail[3] with greater performance, range and reliability than ever before. 802.11n offers a massive boost in speed and considerably more range than 802.11a/b/g. Connect to compatible hot spots with ease and experience the incredible difference of 802.11n. You can even wirelessly stream video throughout your home or office with blazing-fast speed[12]. 802.11n is backward compatible with existing networks, so there is no need for any additional hardware or cables, it's all built-in.

The VAIO® AR520E notebook is a multimedia powerhouse with a spacious 17" widescreen display[8] featuring XBRITE-ECO LCD technology and a built-in camera and microphone for video chatting with family and friends[12]. Backed by Intel® Centrino® Duo processor technology and Intel Core™ 2 Duo processor, this lightning-fast, super-powerful notebook is the ultimate desktop replacement.

Windows Vista Home Premium

intel Centrino Duo Core 2 Duo inside

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VGN-AR520E

VAIO® AR Digital Studio™ Notebook PC

Specifications

General

Computer Type: Notebook
Type of Use: Desktop Replacement
Action Buttons: S1, S2, AV Mode, Volume, Mute, Eject, Play/Pause/Stop, Wireless LAN On/Off, FF and Rewind

Hardware

Pointing Device: Electro-Static touch pad
Keyboard: QWERTY, 86 keys with 2.5mm stroke and 19.05mm pitch
Camera: Built-in camera and microphone

Processor

Type: Intel®Core™ 2 Duo Processor T7100
Speed: 1.8GHz[1]
Front Side Bus Speed: 800MHz
L2 Cache: 2MB Advanced Smart Cache
Technology: Intel®Centrino®Duo processor technology

Memory

Type: DDR2 SDRAM
Installed: 2GB (1GBx2) PC2-5300
Maximum: 4GB[16]
Speed: 667MHZ

Hard Drive

Capacity: 200GB[2]
Speed: 4200rpm
Interface: Serial ATA

Optical Drive #1

DVD+R DL Write: 4x max.
DVD+R Write: 8x max.
DVD+RW Write: 8x max.
DVD-R Write: 8x max.
DVD-RW Write: 6x max.
CD-R Write: 24x max.
CD-RW Write: 16x max.
DVD±RW: Yes[4]
CD Read: 24x max.
DVD Read: 8x max.
DVD-RAM Write: 5x max.
DVD-R DL Write: 4x max.
DVD-RAM Read: 5x max.

Expansion Slots

Multimedia Card Reader: Supports optional Memory Stick® and Memory Stick DUO™ media[5] with MagicGate® functionality and Secure Digital Media (SD)
One PCMCIA - Type II/Type I card slot with CardBus support
One ExpressCard™ /54 Slot

Audio

Sound System: Sony®Sound Reality™ - Audio Enhancer

Display

Screen or Display Technology: WXGA+
Screen Size: 17"[8]
Resolution: 1440x900
XBRITE-ECO™ Technology: Yes

Graphics

Processor: NVIDIA®GeForce®8400M GT Graphics Processing Unit
Video RAM: 895MB[14] Total Available Graphics
Chipset: Mobil Intel®PM965 Express Chipset
Interface: VGA out w/ Smart Display Sensor, HDMI out and S-Video out

Inputs and Outputs

Ethernet Port: 1
HDMI™ Connection Output(s): 1
Headphone Jack: 1
i.LINK® Interface: 1 (4pin) i.LINK® connector (IEEE 1394)[6]
Memory Stick® Media Slot: 1
Modem Jack: 1
Secure Digital Slot: 1
Microphone Input: 1
S-Video Output(s): 1
USB Port(s): 3 (2.0 compliant)
VGA Output(s): 1
DC-In: 1
S/PDIF Output(s): 1
Express Card™ Slot: /54 x 1

Networking/Modem

Ethernet Protocol: Fast Ethernet (RJ-45)
Ethernet Speed: 10Base-T/100Base-TX/1000Base-T
Modem Type: Integrated V.92/V.90 Modem with (RJ-11)
Wireless LAN: Intel®PRO/Wireless 4965AGN Network Connection (802.11a/b/g/n)[3]

Power

Battery Type: Standard Capacity Battery (VGP-BPS2C)
Estimated Battery Life: 1.5 to 3.5 hours[7] with standard battery
Power Requirements: 150W=10%

Software

Operating System: Windows Vista™ Home Premium
Internet Services: AOL®90-Day Risk Free Trial - New Users Only
Supplied Software: Microsoft®Works 8.5
60-Day Trial Version of Microsoft®Office 2007[13]
Sony®Original Software: Click to DVD®- DVD Creation, LocationFree®Player
*Please access VAIO®Help and Support from your PC for a complete list of software applications and trials.
Security and Anti-Virus Software: Norton®Internet Security™ 2007 60-Day trial with spyware protection

Service and Warranty Information

Telephone Support: 1 year toll-free technical telephone assistance, available 24/7[11]
Limited Warranty and Onsite Service: 1 Year Limited Warranty with Onsite Service[9]
Online and Email Support: Support available from http://www.esupport.sony.com/EN/VAIO

Dimensions

Weight: 8.4 lbs. with standard battery (weight is approximate and may vary)
Measurements: 16.4"(W) x 1.32"(H) x 11.8"(D)

Supplied Accessories

Standard Lithium-ion Battery (VGP-BPS9A/B)
AC Adapter (VGP-AC19V15)
Power Cord

Optional Accessories

Additional Standard Capacity Battery (VGP-BPL9A/B)
Additional AC Adapter (VGP-AC19V15)
Large Capacity Battery (VGP-BPL9)
Universal Carrying Case (VGP-AMB1)
Notebook Roller Case (VGP-AMB6)
Neoprene Notebook and AC Adapter Case (VGP-AMC2)
USB Laser Mouse (VGP-UMS55/B)
Wireless Presentation Mouse (VGP-WMS50A)
All-in-one 2.1 Channel Speaker (VGP-SP100)
USB Floppy Drive (VGP-UFD1)

UPC Code: 027242715424

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires a compatible 802.11n access point. Some functionality may require Internet services, which may require a fee.
4. DVD Media/Formats are not universally compatible.
5. Supports Memory Stick PRO™ high-capacity media tested up to 1GB. Does not support MagicGate® functionality.
6. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
7. Actual battery life may vary based on product settings, usage patterns, battery and environmental conditions.
8. Viewable area measured diagonally.
9. When available, Sony will provide Onsite Service in fulfillment of its limited warranty obligations. Any such services are subject to the terms and conditions of the limited warranty. See actual Limited Warranty for details. Onsite Service will be provided via third-party technician to be dispatched as needed following phone-based troubleshooting. Some repairs may be accomplished with self repair kits. Onsite Service may not be available in all locations.
10. Use of this Bluetooth enabled product with other devices may vary as not all Bluetooth devices are compatible.
11. For certain third party software applications, Sony provides first level Phone Support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the applicable software vendor.
12. Broadband connection is required along with third party services which may require a subscription fee and other service fees.
13. The Microsoft® Office 2007 60-Day Trial software is intended for evaluation purposes only. This trial software is installed on your system and you must activate the software before you can use it. Product activation procedures will be detailed during initial launch of the software; activation requires Internet access. This software has an expiration date of 60 days from date of first use, at which time the software will operate under reduced-functionality mode, limiting end-use options and operations.
14. Total Available Graphics Memory refers to the new Windows Vista classification of graphics memory, which is the total of Dedicated Video Memory, System Video memory and Shared System Memory. Shared System Memory vaires depending on the operating condition and system memory size.
15. As with other optical media devices, circumstances may limit compatibility or prevent Blu-ray Disc™ media playback. VAIO computers may not support movie playback on packaged media recorded in AVC or VC1 formats at high bit rates.
16. A portion of the system memory over 3GB available to the operating system.

Computer Interface: The computer industry lacks standards, and therefore, there are a multitude of varying software packages and add-on hardware options. This personal computer is not manufactured to operate any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned in this document. Sony hereby disclaims any representations or warranty that this product is compatible with any combination of products you may choose to connect. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony Notebook Computer are subject to change without notice. Simulated graphic shown on display. Pre-installed software may not be identical to retail versions or have all documentation. This product meets the standards of the International Energy Star Program for energy efficiency. Features and specifications are subject to change without notice.

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